

	<b>L #</b>	<b>Hits</b>	<b>Search Text</b>	<b>DBs</b>
1	L1	1040	polybutadiene near2 (modified maleinized)	USPA T; US-P GPUB
2	L2	1336 20	polyoxyalkylene (polyethylene adj glycol)	USPA T; US-P GPUB
3	L3	307	1 and 2	USPA T; US-P GPUB
4	L4	69	3 and methoxy	USPA T; US-P GPUB
5	L5	30	3 and (monoamine monoalcohol)	USPA T; US-P GPUB
6	L6	9	5 and methoxy	USPA T; US-P GPUB
7	L7	9	6 and adhesion	USPA T; US-P GPUB
8	L8	8	7 and rubber	USPA T; US-P GPUB
9	L9	8	8 and (epoxy adj group)	USPA T; US-P GPUB
10	L10	5	9 and (cord fiber filament)	USPA T; US-P GPUB

	L #	Hits	Search Text	DBs
11	L11	0	9 not 5	USPA T; US-P GPUB
12	L12	3	9 not 10	USPA T; US-P GPUB
13	L13	1	7 not 8	USPA T; US-P GPUB
14	L14	2164	methoxypolyethylen e adj glycol) (polyethylene adj glycol adj monomethyl	USPA T; US-P GPUB
15	L16	4	15 and adhesion	USPA T; US-P GPUB
16	L17	2	15 not 16	USPA T; US-P GPUB
17	L18	763	14 and (cord fiber filament)	USPA T; US-P GPUB
18	L19	238	18 and rubber	USPA T; US-P GPUB
19	L20	142	19 and adhesion	USPA T; US-P GPUB
20	L21	48	20 and (tire belt)	USPA T; US-P GPUB

	L #	Hits	Search Text	DBs
21	L22	47	21 not 15	USPA T; US-P GPUB
22	L23	224	14 and polybutadiene	USPA T; US-P GPUB
23	L24	26	22 and polybutadiene	USPA T; US-P GPUB
24	L25	10	24 and (maleic adj anhydride)	USPA T; US-P GPUB
25	L26	16	24 not 25	USPA T; US-P GPUB
26	L27	1086	polybutadiene near2 (modified maleinized)	EPO; JPO; DERW ENT; IBM_ TDB
27	L28	2069	methoxypolyethylen e adj glycol) (polyethylene adj glycol adj monomethyl	EPO; JPO; DERW ENT; IBM_ TDB
28	L29	1	27 and 28	EPO; JPO; DERW ENT; IBM_ TDB

	L #	Hits	Search Text	DBs
29	L30	2	28 and polybutadiene	EPO; JPO; DERW ENT; IBM_ TDB
30	L31	1	30 not 29	EPO; JPO; DERW ENT; TRM_ TDB
31	L32	3	(( "6001469" ) or ("5863643" ) or ("5135984" ) ) .PN.	USPA T
32	L15	6	14 and 1	USPA T; US-P GPUB
33	L33	173	14 and belt	USPA T; US-P GPUB
34	L34	85	33 and adhesion	USPA T; US-P GPUB
35	L35	25	34 and polybutadiene	USPA T; US-P GPUB
36	L36	1	35 and maleinized	USPA T; US-P GPUB
37	L37	10	35 and (maleic adj anhydride)	USPA T; US-P GPUB
38	L38	2	37 and graft\$4	USPA T; US-P GPUB

	<b>L #</b>	<b>Hits</b>	<b>Search Text</b>	<b>DBs</b>
39	L39	8	37 not 38	USPA T; US-P GPUB

	<b>L #</b>	<b>Hits</b>	<b>Search Text</b>	<b>DBs</b>
1	L1	1040	polybutadiene near2 (modified maleinized)	USPA T; US-P GPUB
2	L2	1336 20	polyoxyalkylene (polyethylene adj glycol)	USPA T; US-P GPUB
3	L3	307	1 and 2	USPA T; US-P GPUB
4	L4	69	3 and methoxy	USPA T; US-P GPUB
5	L5	30	3 and (monoamine monoalcohol)	USPA T; US-P GPUB
6	L6	9	5 and methoxy	USPA T; US-P GPUB
7	L7	9	6 and adhesion	USPA T; US-P GPUB
8	L8	8	7 and rubber	USPA T; US-P GPUB
9	L9	8	8 and (epoxy adj group)	USPA T; US-P GPUB
10	L10	5	9 and (cord fiber filament)	USPA T; US-P GPUB

	L #	Hits	Search Text	DBs
11	L11	0	9 not 5	USPA T; US-P GPUB
12	L12	3	9 not 10	USPA T; US-P GPUB
13	L13	1	7 not 8	USPA T; US-P GPUB
14	L14	2164	methoxypolyethylen e adj glycol) (polyethylene adj glycol adj monomethyl	USPA T; US-P GPUB
15	L16	4	15 and adhesion	USPA T; US-P GPUB
16	L17	2	15 not 16	USPA T; US-P GPUB
17	L18	763	14 and (cord fiber filament)	USPA T; US-P GPUB
18	L19	238	18 and rubber	USPA T; US-P GPUB
19	L20	142	19 and adhesion	USPA T; US-P GPUB
20	L21	48	20 and (tire belt)	USPA T; US-P GPUB

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21	L22	47	21 not 15	USPA T; US-P GPUB
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23	L24	26	22 and polybutadiene	USPA T; US-P GPUB
24	L25	10	24 and (maleic adj anhydride)	USPA T; US-P GPUB
25	L26	16	24 not 25	USPA T; US-P GPUB
26	L27	1086	polybutadiene near2 (modified maleinized)	EPO; JPO; DERW ENT; IBM_ TDB
27	L28	2069	methoxypolyethylen e adj glycol) (polyethylene adj glycol adj monomethyl	EPO; JPO; DERW ENT; IBM_ TDB
28	L29	1	27 and 28	EPO; JPO; DERW ENT; IBM_ TDB



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30	L31	1	30 not 29	EPO; JPO; DERW ENT; IBM_ TDB
31	L32	3	(( "6001469" ) or ("5863643" ) or ("5135984" ) ) .PN.	USPA T
32	L15	6	14 and 1	USPA T; US-P GPUB
33	L33	173	14 and belt	USPA T; US-P GPUB
34	L34	85	33 and adhesion	USPA T; US-P GPUB
35	L35	25	34 and polybutadiene	USPA T; US-P GPUB
36	L36	1	35 and maleinized	USPA T; US-P GPUB
37	L37	10	35 and (maleic adj anhydride)	USPA T; US-P GPUB
38	L38	2	37 and graft\$4	USPA T; US-P GPUB

	L #	Hits	Search Text	DBs
39	L39	8	37 not 38	USPA T; US-P GPUB
40	L40	88	1 and tire	USPA T; US-P GPUB
41	L41	2172 06	polyoxyethylene (polyethylene adj glycol) polyoxyalkylene poe (polyethylene adj oxide) (polypropylene adj glycol)	USPA T; US-P GPUB
42	L42	16	40 and 41	USPA T; US-P GPUB
43	L43	16	42 not 39	USPA T; US-P GPUB
44	L44	11	43 and plastici\$5	USPA T; US-P GPUB
45	L45	5	43 not 44	USPA T; US-P GPUB

DERWENT-ACC-NO: 1981-06946D

DERWENT-WEEK: 198105

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TITLE: Cold medium-resistant, low-smelling  
solvent-free varnish  
compsn. - comprising  
(meth)acryl-modified epoxy! resin  
and polybutadiene, (meth)acrylate,  
comonomer and  
polymerisation catalyst

PATENT-ASSIGNEE: MITSUBISHI ELECTRIC CORP[MITQ]

PRIORITY-DATA: 1979JP-0061718 (May 18, 1979)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	
LANGUAGE		MAIN-IPC	
JP 55152712 A		November 28, 1980	N/A
000	N/A		
JP 85036191 B		August 19, 1985	N/A
000	N/A		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 55152712A	N/A	
1979JP-0061718	May 18, 1979	

INT-CL (IPC): C08F299/02, C09D003/72

ABSTRACTED-PUB-NO: JP 55152712A

BASIC-ABSTRACT:

Varnish compsn. comprises (1) 25-50 pts.wt.  
(meth)acryl-modified epoxy resin  
prepd. by the reaction of 1.0 mole of bisphenol A  
diglycidyl ether type epoxy  
resin and 0.8-1.2 mole of (meth)acrylic acid; (2) 5-30  
pts.wt.  
(meth)acryl-modified polybutadiene obtd. by the reaction of

2-hydroxyethyl  
(meth)acrylate and maleinated polybutadiene; (3) 5-20  
pts.wt. aliphatic long  
chain (8-20C) (meth)acryl ester(s); (4) 55-20 pts.wt. liq.  
vinyl comonomer(s)  
having b.pt. above 90 deg.C/10 mmHg; and (5) a small amt.  
of polymerisation  
catalyst.

Pref. (3) include octadecyl (meth)acrylate,  
2-hydroxytridecyl (meth)acrylate,  
methoxypolyethylene glycol (molecular wt. 200-400)  
mono(meth)acrylate. Pref.  
(4) include hydroxyethyl (meth)acrylate, ethylene glycol  
di(meth)acrylate,  
neopentyl glycol di(meth)acrylate, vinyltoluene and diallyl  
phthalate. Used  
for insulation of hermetic motors (sic.).

TITLE-TERMS: COLD MEDIUM RESISTANCE LOW SMELL SOLVENT FREE  
VARNISH COMPOSITION  
COMPRISE METHO ACRYL MODIFIED POLYEPOXIDE RESIN  
POLYBUTADIENE METHO  
ACRYLATE COMONOMER POLYMERISE CATALYST

ADDL-INDEXING-TERMS:  
METHACRYLATE METHACRYLIC

DERWENT-CLASS: A21 A82 A85 G02

CPI-CODES: A08-C07; A10-E07B; A12-E08; G02-A05B;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0013 0214 0218 0224 0231 0317 0499 0506 0590  
0597 1093 1162 1169  
1176 1279 1282 1373 1592 1601 1994 1999 2002 2014 2020 2021  
2022 2299 2300 2508  
2585 2608 2670 2674 2718 2742  
Multipunch Codes: 011 028 039 04- 040 055 057 074 076 077  
081 084 117 122 130  
131 132 133 147 198 199 220 221 226 231 235 239 240 250 31-  
311 336 341 351 398  
40- 400 424 44& 473 477 48- 504 525 527 541 548 575 58- 583  
589 623 627 688 694  
720 723 724

PAT-NO: JP359018135A

DOCUMENT-IDENTIFIER: JP 59018135 A

TITLE: COATING RESIN COMPOSITION FOR  
OPTICAL FIBER

PUBN-DATE: January 30, 1984

INVENTOR-INFORMATION:

NAME

SHIYUDO, YOSHITO

KIMURA, TAKAO

ASSIGNEE-INFORMATION:

NAME

NIPPON TELEGR & TELEPH CORP <NTT>

COUNTRY

N/A

APPL-NO: JP57127734

APPL-DATE: July 23, 1982

INT-CL (IPC): C03C025/02, C03B037/12 , G02B005/14

US-CL-CURRENT: 525/303

ABSTRACT:

PURPOSE: To increase the mechanical strength of an optical fiber, by using coating resin composition obtained by using a 1,4-polybutadiene unsaturated acid ester as a main component, and mixing with a monofunctional and a polyfunctional compounds having polymerizable double bond.

CONSTITUTION: A spun optical fiber is coated with a resin composition containing (A) 70pts.wt. of a 1,4-polybutadiene unsaturated acid ester having ester groups at both terminals, e.g. a 1,4-polybutadiene

maleic acid ester, (B)  
20pts.wt. of a monofunctional compound having  
polymerizable double bond such  
as methoxypolyethylene glycol acrylate, (C) 10pts.wt. of a  
polyfunctional  
compound such as polyethylene glycol acrylate, and (D)  
2pts.wt. of a  
polymerization initiator such as benzoyl peroxide. The  
mechanical strength of  
the optical fiber can be increased without degrading the  
excellent light  
transmission characteristics of the optical fiber.

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